INFORMATION REPORT
NOVA SCOTIA
FOREST INVENTORY
PROVINCIAL SUMMARY
1979 - 1989

Nova Scotia
Department of
Natural Resources

Hon. C.W. MacNeil, M.D. Minister
John Mullally, Deputy Minister

I N F O R M A T I O N R E P O R T

NOVA SCOTIA FOREST INVENTORY

PROVINCIAL SUMMARY

1979 - 1989

Nova Scotia Department of Natural Resources
Forest Resources Planning & Mensuration Division
P.O. Box 68, Truro
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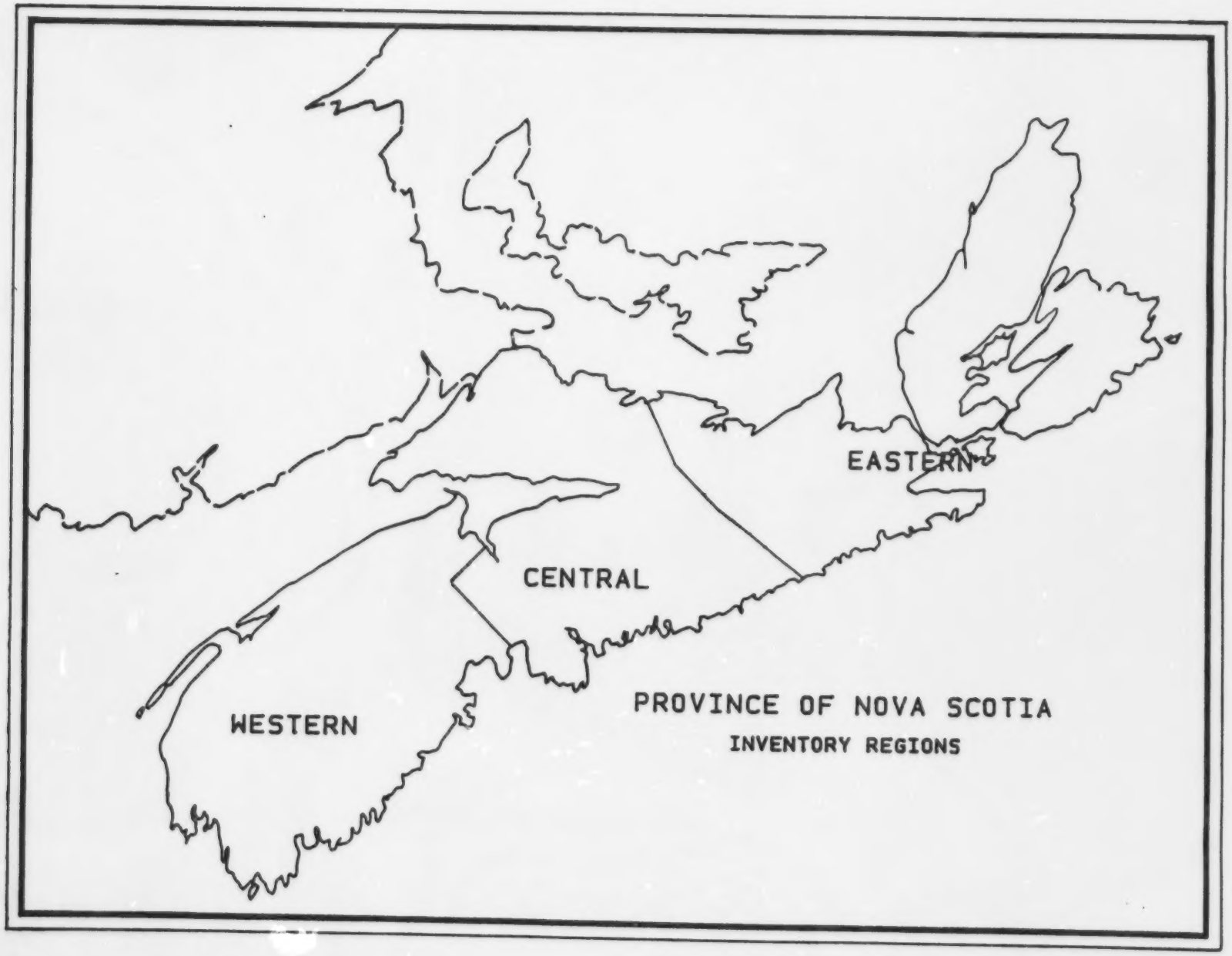
LIST OF TABLES

		Page
1.	Nova Scotia 1979-89 Area data in hectares By Ownership & Land Class	2
2.	Nova Scotia 1979-89 Area data in hectares By Ownership & Age Class	3
3.	Nova Scotia 1979-89 Volume data in cubic metres By Ownership & Cover Type	4
4.	Nova Scotia 1979-89 Volume data in cubic metres By Ownership & Species	5
5.	Eastern Nova Scotia 1981-85 Area data in hectares By Ownership & Land Class	6
6.	Eastern Nova Scotia 1981-85 Area data in hectares By Ownership & Age Class	7
7.	Eastern Nova Scotia 1981-85 Volume data in cubic metres By Ownership & Cover Type	8
8.	Eastern Nova Scotia 1981-85 Volume data in cubic metres By Ownership & Species	9
9.	Central Nova Scotia 1982-83, 1986-87 Area data in hectares By Ownership & Land Class	10
10.	Central Nova Scotia 1982-83, 1986-87 Area data in hectares By Ownership & Age Class	11
11.	Central Nova Scotia 1982-83, 1986-87 Volume data in cubic metres By Ownership & Cover Type	12
12.	Central Nova Scotia 1982-83, 1986-87 Volume data in cubic metres By Ownership & Species	13
13.	Western Nova Scotia 1979-89 Area data in hectares By Ownership & Land Class	14
14.	Western Nova Scotia 1979-89 Area data in hectares Ownership & Age Class	15
15.	Western Nova Scotia 1979-89 Volume data in cubic metres By Ownership & Cover Type	16
16.	Western Nova Scotia 1979-89 Volume data in cubic metres By Ownership & Species	17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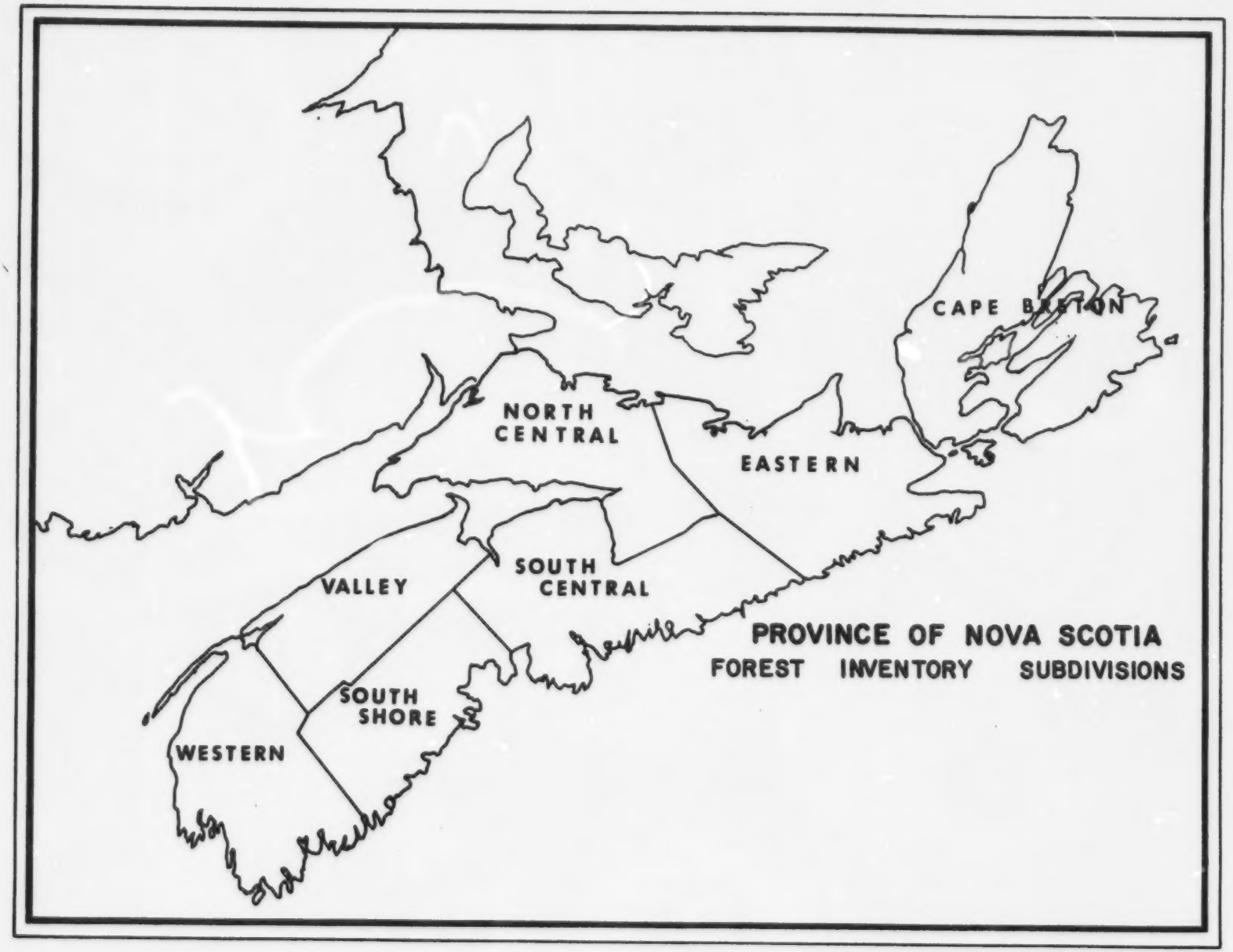
CENTRAL
WESTERN
PROVINCE OF NOVA SCOTIA
INVENTORY REGIONS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EASTERN
VALLEY
SOUTH CENTRAL
SOUTH SHORE
WESTERN
PROVINCE OF NOVA SCOTIA
FOREST INVENTORY SUBDIVISIONS

Nova Scotia Forest Inventory
Provincial Summary
1979 - 89

Introduction

This report is a compilation of the most recent inventories for Nova Scotia presented on a provincial as well as a regional basis.

Method

The data consists of a combination of strip cruise, and 3P Dendrometry Sampling. The following breaks down the dates and methods:

Cape Breton	- 3P Sampling 1984-85
Eastern	- 3P Sampling 1981-82
North Central	- 3P Sampling 1986-87
South Central	- 3P Sampling 1982-83
Valley	- 3P Sampling 1989
South Shore	- 3P Sampling 1988
Western	- Strip Cruise 1979-80

There have been four reports on a provincial basis since 1965. The first one covers the period 1965-71, the second 1970, 1972-80, the third 1975-82 and this one 1979-89.

Since the data for this report has come from two different inventories and six sets of data, and due to truncation of figures at various levels, totals from table to table will not agree exactly nor will columns and rows total exactly.

Federal Land

The Cape Breton Highlands National Park has only been inventoried once, in 1970. "During the past twenty years, the cover type and age class has radically changed due to the budworm infestation. The only reasonable data presented in this report is on Total Forested and Total Non Forested land areas." In the current inventory all other Federal land including Kejimkujik National Park were included for area calculation purposes. There were, however, no volume estimates made. For the reasons above Cape Breton Highlands National Park is shown in a separate category to provide a total forested area for the province.

TABLE 1

NOVA SCOTIA

1979 - 89

AREA DATA IN HECTARES BY

OWNERSHIP AND LAND CLASS

Land Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal Land	Total
Softwood	512 000	466 000	823 000	1 801 000	*22 000	1 824 000
Mixedwood	300 000	231 000	496 000	1 027 000	*11 000	1 040 000
Hardwood	366 000	234 000	596 000	1 196 000	*14 000	1 210 000
Sub Total	1 179 000	933 000	1 915 000	4 027 000	*47 000	4 076 000
C.B.H.N.P.**	--	--	--	--	76 000	76 000
Total Forest	1 179 000	933 000	1 915 000	4 027 000	124 000	4 152 000
Non Forest	247 000	92 000	588 000	927 000	31 000	958 000
Total Land	1 427 000	1 025 000	2 503 000	4 955 000	155 000	5 110 000
Water	--	--	--	--	--	419 000
Flowage	--	--	--	--	--	18 000
Total Land & Water	--	--	--	--	--	5 550 000

*Includes Kejimkujik National Park
**Cape Breton Highlands National Park, only inventoried in 1970

TABLE 2

NOVA SCOTIA

1979 - 89

AREA DATA IN HECTARES BY

OWNERSHIP AND AGE CLASS

Age Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal* Land	Total
Up to 20 yrs	164 000	122 000	203 000	490 000	1 000	491 000
21 - 40 yrs	195 000	177 000	437 000	810 000	8 000	818 000
41 - 60 yrs	462 000	353 000	806 000	1 621 000	24 000	1 645 000
61 - 80 yrs	283 000	223 000	385 000	892 000	10 000	903 000
81 - 100 yrs	51 000	32 000	54 000	138 000	2 000	140 000
101 + years	5 000	11 000	6 000	22 000	2 000	24 000
All Aged	16 000	13 000	22 000	52 000	--	52 000
Total	1 179 000	933 000	1 915 000	4 628 000	47 000	4 076 000

*Excludes Cape Breton Highlands National Park, but includes Kejimkujik National Park

TABLE 3

NOVA SCOTIA

1979 - 89

VOLUME DATA IN THOUSAND CUBIC METRES

BY OWNERSHIP AND COVER TYPE

Cover Type	Species	Thousands of Gross Merchantable cubic metres Crown Land	Large Private	Small Private	Total*
Softwood	Softwood	22 055	30 169	52 362	104 633
	Hardwood	1 645	2 244	5 086	8 990
	Total	23 701	32 413	57 448	113 625
Mixedwood	Softwood	6 872	9 613	16 865	33 352
	Hardwood	4 309	5 855	10 426	20 601
	Total	11 181	15 470	27 293	53 965
Hardwood	Softwood	4 183	2 283	7 432	13 908
	Hardwood	20 141	13 437	34 176	67 771
	Total	24 325	15 720	41 610	81 679
All Cover	Softwood	33 147	42 076	76 636	151 926
	Hardwood	26 058	21 532	49 714	97 339
	Total	59 205	63 609	126 351	249 266

*Excludes All Federal Land

TABLE 4

NOVA SCOTIA

1979 - 89

VOLUME DATA IN THOUSAND CUBIC METRES

BY OWNERSHIP AND SPECIES

Species	Thousands of Gross Merchantable Cubic Metres			
	Crown Land	Large Private	Small Private	Total*
White Spruce	1 336	1 327	15 253	17 911
Spruce	14 226	24 605	30 074	68 946
Fir	10 358	9 307	22 434	42 100
Hemlock	372	1 860	4 104	6 347
White Pine	5 533	4 033	3 705	13 292
Red Pine	407	338	184	934
Larch	560	387	874	1 821
Other Softwood	348	211	2	561
Total Softwood	33 147	42 076	76 636	151 926
Sugar Maple	5 706	5 921	10 518	22 151
Red Maple	10 036	8 936	16 295	35 296
Yellow Birch	4 825	2 661	6 682	14 176
White Birch	2 811	1 594	3 139	7 551
Oak	1 278	457	945	2 683
Aspen	686	773	5 385	6 846
Beech	579	877	4 997	6 455
Other Hardwood	118	305	1 744	2 179
Total Hardwood	26 054	21 535	49 714	97 339
Total All Species	58 203	63 609	126 351	249 265

*Excludes All Federal Land

TABLE 5
NOVA SCOTIA
EASTERN REGION 1981 - 85
AREA DATA IN HECTARES BY
OWNERSHIP AND LAND CLASS

Land Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal Land	Total
Softwood	201 000	55 000	285 000	541 000	6 000	547 000
Mixedwood	141 000	25 000	163 000	329 000	2 000	332 000
Hardwood	208 000	40 000	292 000	540 000	3 000	544 000
Sub Total	552 000	121 000	740 000	1 413 000	11 000	1 424 000
C.B.H.N.P.**	--	--	--	--	76 000	76 000
Total Forest	552 000	121 000	740 000	1 413 000	89 000	1 500 000
Non Forest	100 000	13 000	166 000	279 000	26 000	305 000
Total Land	651 000	134 000	906 000	1 691 000	114 000	1 805 000
Water	--	--	--	--	--	122 000
Flowage	--	--	--	--	--	4 000
Total Land & Water	--	--	--	--	--	1 933 000

**Cape Breton Highlands National Park, only inventoried in 1970

TABLE 6

NOVA SCOTIA

EASTERN REGION 1981 - 85

AREA DATA IN HECTARES BY

OWNERSHIP AND AGE CLASS

Age Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal Land	Total
Up to 20 yrs	130 000	23 000	110 000	263 000	1 000	264 000
21 - 40 yrs	82 000	20 000	138 000	241 000	2 000	243 000
41 - 60 yrs	150 000	40 000	262 000	451 000	6 000	457 000
61 - 80 yrs	150 000	28 000	192 000	371 000	3 000	374 000
81 - 100 yrs	31 000	5 000	27 000	63 000	--	63 000
101 + years	1 000	--	1 000	2 000	--	2 000
All Aged	6 000	3 000	9 000	19 000	--	19 000
Total	552 000	121 000	740 000	1 424 000	11 000	1 424 000

*Excludes Cape Breton Highlands National Park

TABLE 7

NOVA SCOTIA

EASTERN REGION 1981 - 85

VOLUME DATA IN CUBIC METRES

BY OWNERSHIP AND COVER TYPE

Cover Type	Species	Thousands of Gross Merchantable cubic metres Crown Land	Large Private	Saml1 Private	Total*
Softwood	Softwood	6 330	2 800	16 540	25 680
	Hardwood	420	160	940	1 570
	Total	6 790	2 970	17 490	27 250
Mixedwood	Softwood	1 450	790	5 570	7 810
	Hardwood	1 000	430	2 880	4 310
	Total	2 460	1 210	8 450	12 130
Hardwood	Softwood	2 090	370	3 700	6 170
	Hardwood	11 390	1 680	17 540	30 620
	Total	13 480	2 060	21 250	36 800
All Cover	Softwood	9 880	3 970	25 810	39 670
	Hardwood	12 860	2 270	21 370	36 510
	Total	22 740	6 240	47 190	76 180

*Excludes All Federal Land

TABLE 8
NOVA SCOTIA
EASTERN REGION 1981 - 85
VOLUME DATA IN CUBIC METRES
BY OWNERSHIP AND SPECIES

Species	Thousands of Gross Merchantable cubic metres			
	Crown Land	Large Private	Small Private	Total*
White Spruce	720	350	8 200	9 290
Spruce	3 480	1 820	5 720	11 030
Fir	5 410	1 380	9 970	16 770
Hemlock	10	80	1 410	1 510
White Pine	180	200	290	680
Red Pine	--	--	110	110
Larch	50	110	90	250
Other Softwood	--	--	--	--
Total Softwood	9 880	3 970	25 810	39 610
Sugar Maple	3 920	680	6 310	10 920
Red Maple	3 890	970	5 740	10 620
Yellow Birch	3 880	370	3 680	7 940
White Birch	800	100	1 010	1 920
Oak	--	--	--	--
Aspen	20	40	1 170	1 240
Beech	320	70	3 140	3 540
Miscellaneous	--	10	300	310
Total Hardwood	12 860	2 270	21 370	36 510
Total All Species	22 740	6 240	47 190	76 180

*Excludes All Federal Land

TABLE 9

NOVA SCOTIA

CENTRAL REGION 1982 - 87

AREA DATA IN HECTARES BY

OWNERSHIP AND LAND CLASS

Land Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal Land	Total
Softwood	149 000	218 000	253 000	620 000	1 000	622 000
Mixedwood	56 000	113 000	148 000	317 000	1 000	318 000
Hardwood	65 000	120 000	146 000	331 000	1 000	333 000
Sub Total	271 000	451 000	548 000	1 270 000	3 000	1 274 000
C.B.H.N.P.*	--	--	--	--	NA	--
Total Forest	271 000	451 000	548 000	1 270 000	3 000	1 274 000
Non Forest	63 000	40 000	224 000	327 000	--	328 000
Total Land	335 000	491 000	772 000	1 598 000	3 000	1 602 000
Water	--	--	--	--	--	102 000
Flowage	--	--	--	--	-	6 000
Total Land & Water	--	--	--	--	--	1 710 000

*Cape Breton Highlands National Park

TABLE 10

NOVA SCOTIA

CENTRAL REGION 1982 - 87

AREA DATA IN HECTARES BY

OWNERSHIP AND AGE CLASS

Age Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal Land	Total
Up to 20 yrs	28 000	73 000	55 000	156 000	--	156 000
21 - 40 yrs	61 000	89 000	126 000	276 000	--	277 000
41 - 60 yrs	120 000	151 000	232 000	503 000	1 000	505 000
61 - 80 yrs	49 000	111 000	108 000	268 000	1 000	269 000
81 - 100 yrs	7 000	17 000	16 000	40 000	--	41 000
101 + years	1 000	4 000	2 000	7 000	--	7 000
All Aged	5 000	5 000	8 000	18 000	--	18 000
Total	271 000	451 000	548 000	1 270 000	3 000	1 274 000

TABLE 11

NOVA SCOTIA

CENTRAL REGION - 1982 - 87

VOLUME DATA IN CUBIC METRES

BY OWNERSHIP AND COVER TYPE

Cover Type	Species	Thousands of Gross Merchantable cubic metres Crown Land	Large Private	Saml1 Private	Total*
Softwood	Softwood	7 234	12 361	19 672	39 269
	Hardwood	385	691	2 357	3 434
	Total	7 620	13 052	22 030	42 704
Mixedwood	Softwood	2 480	4 972	4 691	12 143
	Hardwood	1 298	3 041	3 433	7 772
	Total	3 778	8 013	8 125	19 916
Hardwood	Softwood	788	990	1 565	3 344
	Hardwood	5 004	7 691	9 513	22 210
	total	5 793	8 681	11 079	25 554
All Cover	Softwood	10 503	18 324	25 929	54 757
	Hardwood	6 688	11 424	15 306	33 418
	Total	17 191	29 748	41 236	88 175

*Excludes All Federal Land

TABLE 12
NOVA SCOTIA
CENTRAL REGION 1982 - 87
VOLUME DATA IN CUBIC METRES
BY OWNERSHIP AND SPECIES

Species	Thousands of Gross Merchantable cubic metres			
	Crown Land	Large Private	Small Private	Total*
White Spruce	393	686	3 520	4 600
Spruce	5 534	11 511	12 838	29 885
Fir	3 457	4 515	7 681	15 654
Hemlock	74	780	1 117	1 972
White Pine	410	568	578	1 557
Red Pine	121	18	--	139
Jack Pine	--	--	--	--
Larch	163	36	194	393
Other Softwood	348	206	--	554
Total Softwood	10 503	18 324	25 929	54 757
Sugar Maple	1 637	4 398	3 662	9 697
Red Maple	2 530	3 969	4 829	11 329
Yellow Birch	783	1 555	2 221	4 560
White Birch	1 113	598	662	2 375
Oak	42	11	32	86
Aspen	272	512	2 556	3 341
Ash	--	--	--	--
Beech	224	284	640	1 149
Other Hardwood	83	93	700	877
Total Hardwood	6 688	11 424	15 306	33 418
Total	17 191	29 748	41 236	88 175

*Excludes All Federal Land

TABLE 13
NOVA SCOTIA
WESTERN REGION 1979 - 89
AREA DATA IN HECTARES BY
OWNERSHIP AND LAND CLASS

Land Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal** Land	Total
Softwood	161 000	193 000	284 000	683 000	16 000	655 000
Mixedwood	103 000	94 000	185 000	382 000	8 000	389 000
Hardwood	92 000	73 000	158 000	323 000	9 000	332 000
Sub Total	356 000	361 000	627 000	1 344 000	33 000	1 377 000
C.B.H.N.P.*	--	--	--	--	NA	NA
Total Forest	356 000	361 000	627 000	1 344 000	33 000	1 377 000
Non Forest	80 000	36 000	163 000	279 000	4 000	284 000
Total Land	436 000	397 000	790 000	1 623 000	37 000	1 661 000
Water	--	--	--	--	--	157 000
Flowage	--	--	--	--	--	8 000
Total Land & Water	--	--	--	--	--	1 596 000

*Cape Breton Highlands National Park
**Includes Kejimkujik National Park

TABLE 14

NOVA SCOTIA

WESTERN REGION 1979 - 89

AREA DATA IN HECTARES BY

OWNERSHIP AND AGE CLASS

Age Class	Ownership					
	Crown Land	Large Private	Small Private	Sub Total	Federal* Land	Total
Up to 20 yrs	60 000	26 000	39 000	72 000	--	72 000
21 - 40 yrs	52 000	67 000	172 000	291 000	5 000	296 000
41 - 60 yrs	192 000	162 000	312 000	666 000	17 000	683 000
61 - 80 yrs	85 000	84 000	85 000	254 000	2 000	260 000
81 - 100 yrs	13 000	10 000	11 000	34 000	2 000	36 000
101 + years	3 000	7 000	2 000	12 000	2 000	14 000
All Aged	5 000	4 000	5 000	15 000	--	15 000
Total	356 000	361 000	627 000	1 344 000	33 000	1 377 000

*Includes Kejimkujik National Park

TABLE 15

NOVA SCOTIA

WESTERN REGION 1979 - 89

VOLUME DATA IN THOUSAND CUBIC METRES

BY OWNERSHIP AND COVER TYPE

Cover Type	Species	Thousands of Gross Merchantable Cubic Metres Crown Land	Large Private	Small Private	Total*
Softwood	Softwood	8 484	15 003	10 924	39 678
	Hardwood	796	1 390	1 179	3 983
	Total	9 281	16 394	12 103	43 663
Mixedwood	Softwood	2 938	3 851	4 158	13 401
	Hardwood	2 004	2 387	2 593	8 511
	Total	4 942	6 239	6 751	21 912
Hardwood	Softwood	1 300	916	1 746	4 386
	Hardwood	3 743	4 058	5 727	14 931
	Total	5 044	4 974	7 474	19 322
All Cover	Softwood	12 759	19 780	16 829	57 490
	Hardwood	6 503	7 832	9 500	27 402
	Total	19 263	27 612	26 329	84 894

*Excludes All Federal Land

TABLE 16

NOVA SCOTIA

WESTERN REGION 1979 - 89

VOLUME DATA IN THOUSANDS CUBIC METRES

BY OWNERSHIP AND SPECIES

Species	Thousands of Gross Merchantable Cubic Metres			
	Crown Land	Large Private	Small Private	Total*
White Spruce	212	283	3 529	4 021
Spruce	5 202	11 272	11 512	28 026
Fir	1 481	3 410	4 778	9 678
Hemlock	286	992	1 573	2 862
White Pine	4 938	3 257	2 835	11 053
Red Pine	286	319	66	676
Larch	347	238	586	1 171
Other Softwood	--	--	2	2
Total Softwood	12 759	19 780	24 887	57 493
Sugar Maple	141	841	543	1 530
Red Maple	3 609	3 988	5 718	13 342
Yellow Birch	159	725	775	1 667
White Birch	891	889	1 462	3 250
Oak	1 236	446	913	2 597
Aspen	389	214	1 658	2 263
Beech	29	517	1 217	1 764
Other Hardwood	42	203	741	990
Total Hardwood	6 503	7 832	13 033	27 407
Total All Species	19 263	27 612	37 921	84 901

*Excludes All Federal Land